

CLAIMS

What is claimed is:

Claim 1. A roof restraint assembly positionable over multiple vertical wall supports for coupling to multiple roof truss supports of a structure, said roof restraint comprising:

a cap member defined by a top having a length with a first side edge and a second side edge depending therefrom, said cap member covering multiple vertical wall supports and securable thereto by a fastening means;

an inner strap member coupling said first side edge of said cap member and said roof truss support;

an outer strap member coupling said second side edge of said cap member and said roof truss support; and

whereby said roof restraint assembly creates a continuous hurricane strap to prevent separation of roof trusses from vertical walls along interior and exterior wall supports of the structure.

Claim 2. The roof restraint according to claim 1 wherein said inner strap is defined as a bracket having a length corresponding with the length of said cap member, said bracket having a vertical wall surface securable to said first side edge of said cap member and an obtuse oriented upwardly facing wall surface securable to a plurality of said roof truss

1 supports.

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3 Claim 3. The roof restraint according to claim 1 wherein
4 said outer strap is defined as bracket having length
5 corresponding with the length of said cap member, said bracket
6 having a vertical wall surface securable to said second side
7 edge of said cap member and an obliquely oriented downwardly
8 facing wall surface securable to a plurality of said roof truss
9 supports.

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11 Claim 4. The roof restraint according to claim 1 wherein
12 said roof restraint assembly is used in combination with a foam
13 core concrete coated structure having enhanced tensile load
14 characteristics being effective to render said structure
15 impervious to damage from winds in the range of about 155-310
16 mph.

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19 Claim 5. The structural member according to claim 1
20 wherein each said member is manufactured from a material
21 selected from the group consisting of aluminum, galvanized
22 steel and plastic.

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24 Claim 6. The roof restraint according to claim 1 wherein

1 said straps are formed integral to said cap member.

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3 Claim 7. A method for securing vertical wall supports and
4 roof truss supports comprising the steps of:

5 positioning a cap member having a top wall with a first
6 side edge and a second side edge depending therefrom over a
7 plurality of vertical wall supports;

8 securing said cap member to said vertical wall supports;

9 positioning an inner strap member having a first side edge
10 to said first side edge of said cap member, said inner strap
11 member having a second side edge forming an obtuse angle equal
12 to the pitch of a roof truss;

13 securing said first side edge of said inner strap to said
14 first side edge of said cap member and said second side edge to
15 said roof trusses;

16 positioning an outer strap member having a first side edge
17 to said second side edge of said cap member, said outer strap
18 member having a second side edge forming an oblique angle equal
19 to the pitch of the roof truss; and

20 securing said first side edge of said outer strap to said
21 second side edge of said cap member and said second side edge
22 to said roof trusses.

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24 Claim 8. A roof restraint positionable over multiple

vertical wall supports for coupling to multiple roof truss supports of a structure, said roof restraint comprising:

a central cap member for covering multiple vertical wall supports and securable thereto by a fastening means, said cap member having a first edge and a second edge;

an inner strap member contiguous to said central cap portion extending upwardly from said first edge, said inner strap portion having a contiguous planar first and second sections joined at a line of intersection, said first section extending perpendicularly from said cap portion and said second section extending from said first section at an angle at the line of intersection wherein said angle is equal to the angle of the pitch of the roof truss support, said inner strap member coupled to the roof truss support by a fastening means;

an outer strap member contiguous to said cap member wherein said outer strap member depends downwardly from said second edge at an angle wherein said angle is equal to the angle of the pitch of the roof truss support, said outer strap member coupled to the roof truss support by a fastening means;

whereby said roof restraint creates a continuous hurricane strap to prevent separation of roof trusses from vertical walls along interior and exterior wall supports of the structure.

Claim 9. The roof restraint according to claim 8 wherein

1 said roof restraint is formed as a unitary structure.

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